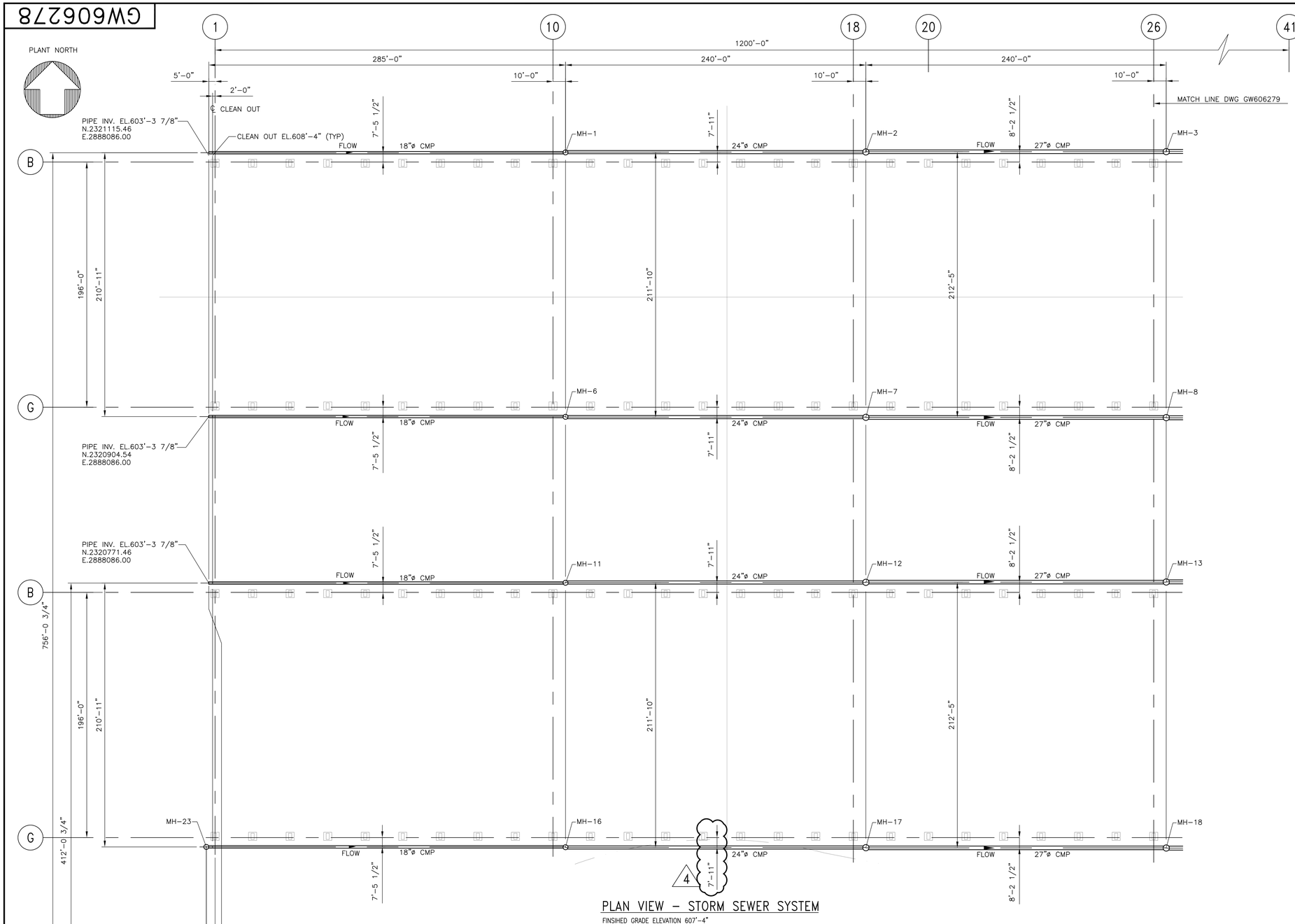
GW606278



PLAN VIEW – STORM SEWER SYSTEM

FINSIHED GRADE ELEVATION 607'-4"

STORM WATER CONTROL NOTES:

1. SPECIFICATIONS AND CODES
   - A. ALL SEWER PIPES SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE AND THE UNIFORM PLUMBING CODE, LATEST EDITIONS.
   - B. IN CASE OF CONFLICT BETWEEN THE APPLICABLE CODES, THE MOST STRINGENT WILL GOVERN.
2. ALL CONCRETE PIPE (CMP) SHALL BE PERFORATED DURABLE HIGH QUALITY MEETING ASTM C76 AND ASTM C444. MINIMUM COVER TO BE 18". PIPE TO BE CLASS 3 WITH "B" WALLS ENDS TO BE BELL AND SPIGOT. THE PIPE IS TO BE ENVELOPED IN A DRAINAGE GEOTEXTILE (TYPE I KNIT FABRIC).
3. MANHOLES AND CATCH BASINS
   - A. ALL PRECAST REINFORCED CONCRETE MANHOLES SHALL BE MANUFACTURED PER ASTM C478, LATEST REVISION. MANHOLES AND CATCH BASINS SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT A H-20 LOADING.
   - B. MANHOLE COVERS AND FRAMES SHALL BE HEAVY DUTY TYPE AS MANUFACTURED BY NEENAH FOUNDRY COMPANY, OR APPROVED EQUAL.
   - C. LADDER RUNGS TO BE NON-SLIP AND IN ACCORDANCE WITH ASTM C-478.
4. INSTALLATION
   - A. ALL STORM SEWER PIPE SHALL BE HANDLED, STORED AND INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. CMP SHALL BE INSTALLED IN ACCORDANCE WITH ASTM A798, LATEST REVISION.
   - B. ALL STORM SEWER PIPE SHALL BE INSTALLED IN A CLASS "B" PIPE BEDDING PER DETAIL ON GW606280.
   - C. WHERE COVER OVER CMP PIPE IS LESS THAN 3 FEET, COMPACT THE HAUNCHING MATERIAL TO A MINIMUM OF 95% PROCTOR DENSITY FROM THE BOTTOM OF THE TRENCH UP TO FINISHED GRADE.
   - D. WHERE COVER OVER PIPE IS GREATER THAN 3 FEET, COMPACT THE HAUNCHING MATERIAL TO A MINIMUM OF 90% PROCTOR DENSITY FROM THE BOTTOM OF THE TRENCH UP TO 12 INCHES ABOVE THE TOP OF PIPE. INSTALLATION FOR CMP SHALL BE TYPE 3, MIN., PER CONCRETE PIPE DESIGN MANUAL.
   - E. FOR BEDDING MATERIAL, USE CLEAN COARSE SAND, WELL ROUNDED PEA GRAVEL OR WELL GRADED CRUSHED ROCK CONFORMING TO AASHTO NO. 57.
   - F. SPECIAL CARE MUST BE EXERCISED DURING THE PLACEMENT AND COMPACTION OF THE BEDDING AND HAUNCHING MATERIAL TO PREVENT DAMAGE TO THE PIPE AND TO OBTAIN THE MAXIMUM BEARING CAPACITY OF THE PIPE.
   - G. FILL PLACED OVER THE TOP OF THE PIPE SHALL BE COMPACTED WITH MECHANICAL HAND TAMPERS TO A MINIMUM DEPTH OF 12 INCHES BEFORE PNEUMATIC TIRED ROLLERS CAN BE DRIVEN OVER THE PIPE.
   - H. THE CONTRACTOR IS RESPONSIBLE FOR ALL SHORING, SHEETING AND BRACING THAT MAY BE REQUIRED TO PROPERLY AND ADEQUATELY SUPPORT THE SIDES OF THE EXCAVATION AND TO PROTECT ADJACENT WORK STRUCTURES.
5. FOR SCOPE OF WORK REFER TO PROJECT SPECIFICATIONS H334208-CS-06.

NOTES:

WORK THIS DRAWING WITH DRAWINGS GW606279 & GW606280.

ELEVATIONS BASED ON FINISHED GRADE ELEVATION 607'-4"

► – INDICATES FLOW DIRECTION

FIGURE B-2

REFERENCE:

OR-X-SK-0012 – 250K TYP CASP – ORION PREMINARY FOUNDATION LOADS
OR-X-SK-0013 – 250K TYP CASP – ORION PREMINARY FOUNDATION LOADS

FOR CONSTRUCTION

HATCH™ Hatch Associates Consultants, Inc. Pittsburgh, PA 15219-1031

REVISION	SCALE: 1"=40'-0"	DATE
	DESIGNED BY H. HAMILTON	
	DRAWN BY J. ZIEGLER	5/12/2010
	CHECKED BY G.SMOKOVICH	7/1/2010
	APPROVED BY R. STOFKO	7/28/2010
PROJECT NO. 334208		REVISION 4

REV.	DESCRIPTION	DATE	BY	CH'K.
4	FOR CONSTRUCTION-ADDED AS BUILT INFORMATION	3/4/11	JHZ	KJF
3	REVISED PIPE CENTERLINES	1/24/11	JHZ	KJF
2	ADDED MANHOLE NO. 23	8/20/10	JHZ	KJF
1	REVISED DIMENSIONS AND LOCATION COORDINATES	8/5/10	JHZ	KJF
0	FOR CONSTRUCTION	7/29/10	JHZ	GLS

STRATEGIC COKE IMPROVEMENT PROJECT
STORM SEWER
PLAN 1 OF 2

USS Gary Works
United States Steel

PREPARED BY	DATE	CHECKED BY	DATE	SCALE
JHZ	5-12-10	GLS	7/1/10	1"=40'

PROJECT NO UGA1-0125 JOB NO. GW606278

GW

ON ORIGINAL 0" 1" 2" 3" CM

PLOT DATE & TIME